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TI A method for developing a high-fluidity filler composition, from furnace  
**bottom ash**  
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CC 58-1 (Cement, Concrete, and Related Building Materials)  
FAN.CNT 1

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CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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KR 2002055481	ICM	C04B018-10
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AB A method is provided for developing a high-fluidity filler composition, with self-leveling properties and good workability, by using Portland **cement** and furnace **bottom ash**/fly ash obtained as industrial byproducts. The filler composition comprises 30-120 parts by weight of Portland cement, 210-280 parts by weight of fly ash, 70-280 parts by weight of furnace **bottom ash** (1-10 mm size), 600-1300 parts by weight of sand, and 320-460 parts by weight of water. The composition having a 28-day compressive strength of 3-83 N/cm<sup>2</sup> and a slump flow of  $\geq 20$  cm was used as fillers in hard-to-reach areas.

ST high fluidity filler compn furnace **bottom ash** prepn  
IT Ashes (residues)

**Cement**  
Concrete

3 to 83 N/cm<sup>2</sup>  
↓ ↓  
4.3 psi to 120 psi